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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,311	01/14/2005	Heiji Watanabe	Q85660	1690
	90 12/19/2006 N. P.L.C		EXAM	INER
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.		W.	LEE, KYOUNG	
SUITE 800 WASHINGTON	. DC 20037		ART UNIT	PAPER NUMBER
	,		2812	
	`	.1		
SHORTENED STATUTORY	PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
· 31 DA	YS	12/19/2006	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/521,311	WATANABE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Kyoung Lee	2812				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REWHICHEVER IS LONGER, FROM THE MAILING. Extensions of time may be available under the provisions of 37 CF	G DATE OF THIS COMMUN R 1.136(a). In no event, however, may a	ICATION.				
 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory por Failure to reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b). 	eriod will apply and will expire SIX (6) MO statute, cause the application to become A	BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 1	<u>14 January 2005</u> .	·				
,—	· —					
closed in accordance with the practice und	der Ex parte Quayle, 1935 C.	J. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-71 is/are pending in the application	ation.					
4a) Of the above claim(s) is/are with	ndrawn from consideration.					
5) Claim(s) is/are allowed.	•	•				
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to. 8) Claim(s) <u>1-71</u> are subject to restriction and	t/or election requirement					
o) Claim(s) 1-1-1 are subject to restriction and	aror election requirement.					
Application Papers						
9)☐ The specification is objected to by the Example 1.	miner.					
10) The drawing(s) filed on is/are: a) ☐	· · · · · · · · · · · · · · · · · · ·	-				
Applicant may not request that any objection to						
Replacement drawing sheet(s) including the control of the control						
Priority under 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for for a) ☐ All b) ☐ Some * c) ☐ None of:	reign priority under 35 U.S.C.	§ 119(a)-(d) or (f).				
 Certified copies of the priority document 	1. Certified copies of the priority documents have been received.					
·						
·	3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
See the attached detailed Office action for a	a list of the certified copies no	·				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 	B) Paper No	Summary (PTO-413) (s)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	5)	Informal Patent Application				

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-37, drawn to semiconductor device (257/1+)

Group II, claim(s) 38-68, drawn to a method of making a semiconductor (438/795).

Group III, claim(s) 69-71, drawn to apparatus (118/1+).

The inventions listed as Groups I,II, and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Inventions I and II are related as process of making and product made. In the instant case the product as claimed can be made by another and materially different process such as physical thickness of silicate region is more than 1.5nm instead of physical thickness of silicate region being 1.5nm or less. The inventions II and III are related as process and apparatus for its practice. In this case the process as claimed can be practiced by another and materially different apparatus such as allowing a spacing between an evaporation source and a substrate to be set less than 10 mm instead of allowing a spacing between an evaporation source and a substrate to be set to not less than 10

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mm. The inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyoung Lee whose telephone number is (571) 272-1982. The examiner can normally be reached on M-F 8:30AM - 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KL 12/4/06

MICHAEL LEBENTRITT
SUPERVISORY PATENT EXAMINER